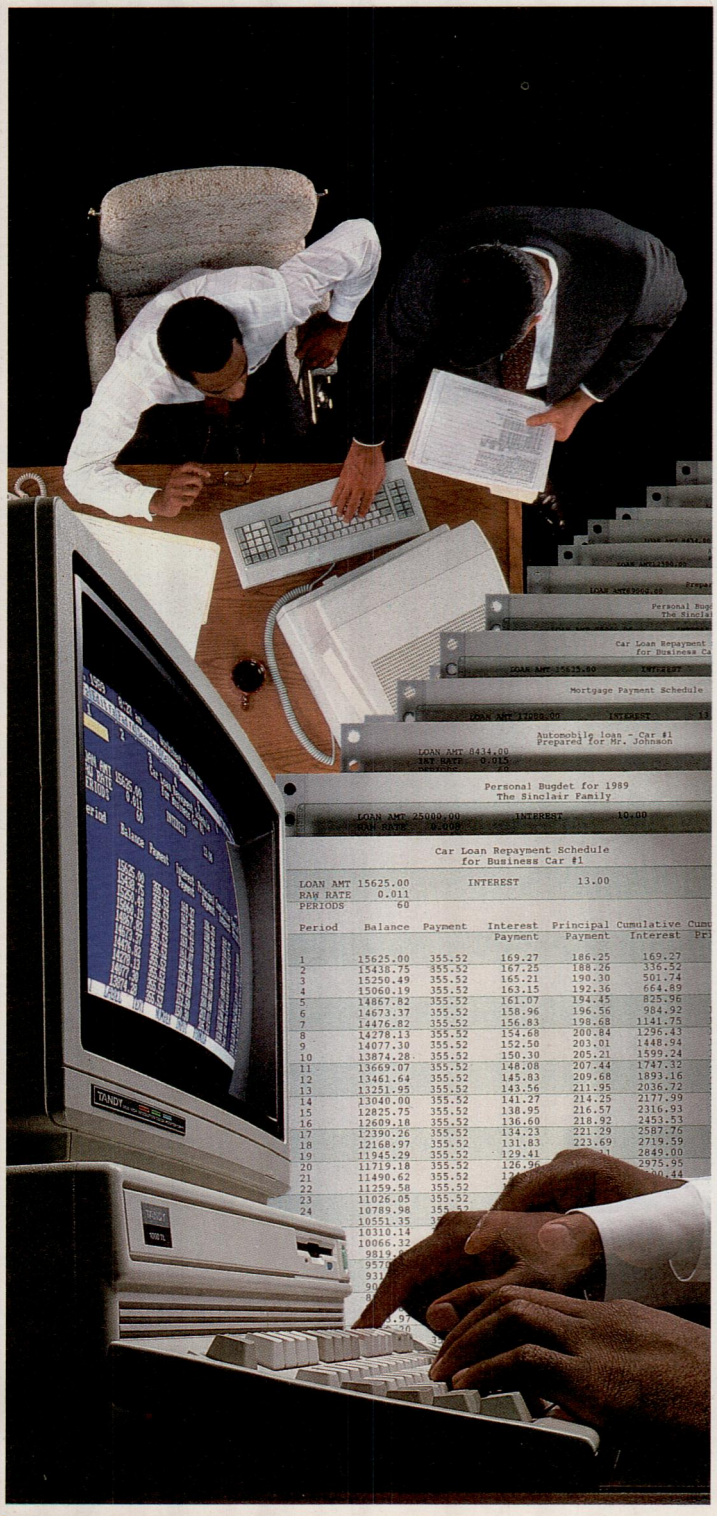
1990 Tandy® Computer Catalog

Radio Shack has the broadest line of PC compatibles, peripherals and accessories in America. Our Tandy computers are in homes, small businesses, classrooms and fully-networked offices. And they're all backed by the best in service and support. That's why we're America's #1 computer retailer.

Radio Shack®
COMPUTER CENTERS
A DIVISION OF TANDY CORPORATION

Tandy® Computers: Because



America Depends on Tandy Computers

Look to the name Tandy for the broadest line of PC compatibles made in America. Tandy PCs are relied on everyday to get the job done right. The fact is, Tandy computers are the best value for millions of businesses, educators and home users.

Value that Goes Beyond Affordability

Quality. Reliable performance is our design objective. Our quality results in a 33,000-hour mean time between failure.

Compatibility. Tandy manufactures the best-selling PC compatibles in America. They run all the popular MS-DOS software titles as well as MS OS/2 and SCO XENIX.

Technology. Innovative design, custom circuitry and a user-friendly software interface distinguish our computers from the competition. Plus every Tandy desktop computer is designed and built in our own USA manufacturing plants.

Connectivity. Tandy workgroups provide communications among PCs as well as to mainframe computers.

Longevity. Technology has been our business for 69 years. In 1977, we were first to successfully manufacture and market a personal computer—nobody's been in the business longer.

In Business...For Business®

To serve you better, we've organized a nationwide team of sales representatives who are at your call. These trained professionals will come to your place of business to gain firsthand knowledge of your needs. After careful analysis, they can recommend a solution based around a standalone, multiuser or networked computer system. For an appointment, call your nearest Radio Shack Computer Center.

Nationwide Service

Radio Shack offers timely, professional and affordable service. Our technicians can come to you or you can bring your equipment to any of the 5000 Radio Shack stores or Computer Centers. For a minimal cost, carry-in and on-site Tandy Service Plans are available on all Tandy Computers, including the CPU, related accessories and internally-installed enhancements, as well as most peripherals. In effect, these plans extend the limited warranty of your system on parts and labor for affordable protection against unexpected repair costs.

Total Support

We offer the most comprehensive support services available. Commercial leasing, network planning and system installation help get you started. Our training programs, at your place of business or in one of our convenient classrooms, let you get the most out of your PC. Need help? We can answer your questions by phone or via the PC-Link Online Service. Each Radio Shack Computer Center also has specially-trained systems engineers on staff for prompt, personal assistance.

there is no better value.SM

We're Your Source for Software

EXPRESS ORDER℠
A DIVISION OF TANDY CORPORATION

With our exclusive Express Order service, a huge selection of software is as close as a phone call! Our 1990 Express Order Software Reference Guide lists more than 900 programs, organized by MS-DOS, XENIX, MS OS/2, TRSDOS® and Color Computer™ applications. Just choose the programs you want, call our toll-free number and charge your purchase to a major credit card. We'll send your software direct to you. It's just that easy—and fast! See page 23 for additional information, or ask for your free copy of the Express Order Software Buyer's Guide at any Radio Shack Computer Center.

Software for Education

Radio Shack offers software that educators most often request when integrating computers into their curricula or when providing for administrative solutions. Refer to The 1990 Radio Shack Educational Products Guide (see page 32).

Tandy Computer Leasing

Tandy Computer Leasing offers a true lease for tax purposes, with a variety of monthly terms. For school systems, special fiscally funded contracts are also available. Software, installation, training and taxes can be included in the lease, too.

A Variety of Credit Options

Radio Shack makes it easy for individuals and businesses to enjoy the latest in computer and telephone technology. The Radio Shack ValuePlus® (RSVP) revolving credit program offers you a personal line of credit that is separate from your other accounts. Your application may be approved in a matter of minutes. Budget your purchases with monthly payments, or pay your balance in full and avoid finance charges for the current billing cycle. Actual payments may vary depending upon your RSVP account balance. We also honor major credit cards, including American Express, Carte Blanche, Diners Club, Discover, MasterCard and Visa. In addition, 30-day term invoicing is available for qualified commercial and institutional organizations. Ask for details at your nearby Radio Shack Computer Center®. And remember, there's no annual fee!

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See Your Radio Shack Computer Center For Information on Volume Purchasing

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ULTRA-FAST 386-BASED SYSTEMS

33 MHz Tandy 4033 LX With 2MB Memory

599900 Lease for Only $195 Per Month*

Monitor not included

25 MHz Tandy 4025 LX With 2MB Memory

499900 Lease for Only $170 Per Month*

Monitor not included

20 MHz Tandy 4020 LX With 1MB Memory

399900 Lease for Only $135 Per Month*

Monitor not included

- **Intel 80386 Microprocessor**
- **Intel 82385 Memory Cache Controller**
- **32-Bit Data Path Delivers High Performance Processing in Data Intensive Applications**
- **SmartDrive™ Technology Provides Affordable Hard Disk Expansion**
- **Includes VGA Graphics Adapter**
- **Excellent File Server in XENIX Multiuser and Networked Systems**

Tandy 4033 LX. Discover pure performance, plus total compatibility with popular, industry-standard expansion options. The 33MHz 386 microprocessor along with the Intel 82385 memory cache controller and 32K of high-speed static RAM makes quick work of financial, engineering, CAD/CAM applications, and software development.

Ultra-fast operation makes the 4033 LX the computer of choice as the hub of a multiuser system. With SCO XENIX, your office can access the LX using low-cost data terminals. As the file server in a 3Com workgroup, the LX can easily manage information transfers between multiple computers.

High-speed VGA graphics produces astounding displays in 256 out of 256,000 colors or in 64 shades of grey. Two megabytes of memory plus a 32-bit Intel 82385 memory cache controller provide RAM-fast access to your data. And you can increase the memory to a total of 16 megabytes. Custom configure your LX to suit your needs using five open expansion slots, plus one additional 3½″ and two 5¼″ front-panel device slots. SmartDrive IDE technology lets you expand with high-performance 40MB or 80MB hard drives without the need of a controller board.

Tandy 4033 LX. 25-5130 (TSP Available) 5999.00

Tandy 4025 LX. Same features as Tandy 4033 LX, but with 25MHz clock speed. 25-5125 . . . . . 4999.00

Tandy 4020 LX. Same features as the Tandy 4025 LX, but with 20MHz clock speed and 1MB memory. 25-5120 . . . . . 3999.00

Tandy 4033 LX, 4025 LX & 4020 LX Expansion

VGM-300 VGA Color Monitor (pictured above). 25-4042 . . . . . 629.00

New Low Price! 1MB Memory Kit. Expands 4020 LX to 2MB. Was $599.95 in RSC-21. 25-5031 . . . . . 349.95

Memory Expansion Adapter. 25-6030 . . . . . 99.95

NEW! Intel 33MHz 80387 Math Coprocessor. For Tandy 4033 LX. 90-2359 . . . . . 994.00

Intel 25MHz 80387 Math Coprocessor. For the Tandy 4025 LX. 90-2322 . . . . . 814.00

Intel 20 MHz 80387 Math Coprocessor. For the Tandy 4020 LX. 90-2193 . . . . . 647.00

40MB 28ms 3½″ SmartDrive. 25-4119 . . . . . 649.00

80MB 19ms 3½″ SmartDrive. 25-4120 . . . . . 899.00

Microprocessor: Intel 80386 processor with 32-bit data path. **Memory Cache:** Intel 82385 memory cache controller with 32K of static RAM. **Clock Speed:** Tandy 4033 LX, 33MHz. Tandy 4025 LX, 25 MHz. Tandy 4020 LX, 20 MHz. Real-time clock with battery backup. **Operating Systems:** Phoenix BIOS. Optional MS-DOS with BASIC, MS OS/2 and SCO XENIX 386. **Memory:** Tandy 4033 LX, 4025 LX, 2MB RAM. Tandy 4020 LX, 1MB RAM. All are expandable to 16 megabytes using 32-bit expansion slots. **Keyboard:** 101-key keyboard, with tactile feedback and chassis lock. **Video Display:** Built-in 16-bit VGA video adapter. Optional high-resolution, non-glare, non-interlaced 14″ monochrome (white) or color VGA monitor. **Half-Height Devices:** Built-in 3½″ 1.44MB floppy disk drive. On-board high-capacity floppy controller supports two 3½″ or 5¼″ floppy drives. Drive storage is expandable to include one additional internal 3½″ plus two 5¼″ floppy, hard disk, disk cartridge or tape backup system. Integrated device electronics provides expansion with SmartDrive hard disks. **Internal Expansion:** Six plug-in, 16-bit expansion slots, four 13″ slots, two half-size slots (one of the half-size slots is occupied by a 16 bit VGA graphics adapter), plus two dedicated 32-bit memory slots. Optional Intel 80387 or Weitek 3167. **External Connections:** One serial, one mouse port and one bidirectional parallel printer port. **Dimensions:** (H x W x D) 6½ x 15¾ x 17″. **Weight:** 33 lbs. **Power Requirements:** Input: 120 VAC, 60 Hz. Output: 200 W. UL listed. **Certification:** FCC Class B.

*On Our 36-mo. Commercial Lease (Plus Applicable Use/Sales Tax).

THE PERFECT CHOICE FOR OFFICE USE

386-Based Tandy 4016 DX With 32-Bit Data Path

2999.00

Lease for Only $105 Per Month*

Monitor not included

- **16MHz Intel 80386 Technology**
- **Includes VGA Adapter for Superb High-Resolution Graphics**
- **SmartDrive Technology Provides Affordable Hard Disk Expansion**
- **Unprecedented Expandability to Meet the Needs of Your Business Today and Tomorrow**
- **Powerful Desktop Computing for Business Analysis**
- **Economical File Server for SCO XENIX or Network Workgroups**
- **Perfectly Suited for Desktop Publishing**

Tandy 4016 DX. Superb power with unexcelled value for small business and office use. At the core of the 4016 DX is a 16 MHz 80386 microprocessor augmented by a full 32-bit data path for high-speed memory access. This design translates into high performance with power to spare, whether your applications are run by a single user under MS-DOS, simultaneously under multi-tasking environments such as MS OS/2, or shared in a network or powerful multiuser environment.

Unprecedented expandability is the key to the design of the Tandy 4016 DX. With five open expansion slots, the Tandy 4016 DX can be easily configured with multi-port serial adapters, network cards and modems to meet the challenges of your growing business.

A 3½" 1.44MB floppy disk drive is standard, with room for an additional front-panel 3½" plus two 5¼" devices such as floppy drives, hard drives, or a tape backup system. SmartDrive IDE technology lets you expand with low-cost, high-performance 40MB or 80MB hard drives without the need or expense of a separate controller board.

The 4016 DX is ideally suited for demanding business applications such as desktop publishing. With high-resolution VGA graphics you can display up to 256 colors simultaneously. And when you use a 4016 DX in a workgroup, it's easy to share information, update files in a common database and route messages and mail. Share data efficiently from one powerful workstation.

Tandy 4016 DX. 25-5001 (TSP Available) 2999.00

Popular Tandy 4016 DX Expansion Options

VGM-300 VGA Color Monitor (pictured above).
25-4042 . . . . . 629.00

New Low Price! 1MB Memory Kit. Expands the 4016 DX to 2MB. Was $599.95 in RSC-21.
25-5031 . . . . . 349.95

Memory Expansion Adapter. Supports memory expansion up to 8MB per card—add two cards for memory expansion to 16MB.
25-6030 . . . . . 99.95

Intel 80387-16 16 MHz Math Coprocessor.
900-2131 . . . . . 570.00

40MB 28ms 3½" SmartDrive. High performance, low-cost drive. Plugs into SmartDrive connector, leaving card slots free for further expansion.
25-4119 . . . . . 649.00

Microprocessor: Intel 80386 processor with 32-bit data path. **Clock Speed:** 16 MHz. Real-time clock with battery backup. **Operating System:** Optional MS-DOS with BASIC, MS OS/2 and SCO XENIX 386, Phoenix BIOS. **Memory:** 1MB RAM (expandable to 16 megabytes). **Keyboard:** 101-key keyboard, with tactile feedback and chassis lock. **Video Display:** Built-in 16-bit VGA video adapter. Optional high-resolution, non-glare, non-interlaced 14" monochrome white or color VGA monitors. **Half-Height Devices:** Built-in 3½" 1.44MB floppy disk drive. On-board high-capacity floppy controller supports two floppy 3½" or 5¼" drives. Drive storage is expandable to include one additional internal 3½" plus two 5¼" devices such as a floppy, hard disk, disk cartridge or tape backup system. **Internal Expansion:** Six plug-in, 16-bit expansion slots, four 13" slots, two half-size slots (one of the half-size slots is occupied by a 16-bit VGA graphics adapter), plus two dedicated 32-bit memory slots. Optional Intel 80387 or Weitek 3167. **External Connections:** One serial, one mouse port and one bidirectional parallel printer port. **Dimensions:** (H × W × D) 6½ × 15¾ × 17". **Weight:** 33 lbs. **Power Requirements:** Input: 120 VAC, 60 Hz. Output: 200 watts. UL listed. **Certification:** FCC Class B.

*On Our 36-mo. Commercial Lease (Plus Applicable Use/Sales Tax).

STEP UP TO 386 POWER–AFFORDABLY

The Tandy 4016 SX: A Price/Performance Breakthrough

1999.00 Monitor not included

Lease for Only $70 Per Month*

- **Powerful 16 MHz Intel 80386SX Microprocessor**
- **1MB Memory, Expandable to 16MB**
- **Built-In 16-Bit VGA Video Adapter**
- **SmartDrive™ IDE Hard Disk Support**
- **3½" 1.44MB Floppy Disk Drive**
- **Three Front-Panel Device Slots Provide Flexible Configuration**
- **Three Available AT®-Style Slots Allow Easy Expansion**
- **Supports Multitasking Applications Developed Under MS OS/2**
- **Parallel Printer Port, RS-232 Serial Port & Mouse Port Built In**
- **80387SX Math Coprocessor Socket**
- **101-Key Keyboard With Tactile Feedback**
- **Only 15½ × 15" and 4¼ Inches High**

The Tandy 4016 SX. Introducing 386™ performance at a price you'd expect to pay for a 286 system. You get the new Intel 80386SX microprocessor, built-in 16-bit VGA video adapter and SmartDrive IDE technology for high-performance, low-cost hard drive support. It's ideal as an advanced business desktop system, high-performance network workstation or entry-level desktop publishing.

The 4016 SX's Intel 80386SX microprocessor has the ability to operate high-performance 80386 based software, as well as current 80286 and 8088-based software. By also combining 16-bit hardware compatibility with 32-bit performance, the 80386SX insures your computer investment for the future. The 4016 SX supports: operating systems and applications optimized for 32-bit performance; multitasking applications developed under MS OS/2; and MS-DOS applications, the world's largest base of software.

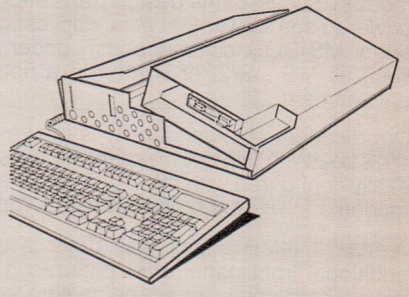
The 4016 SX includes a built-in 16-bit VGA video adapter. Add a VGA color monitor and display astonishing graphics in 256,000 colors with near-photographic clarity. Both serial, parallel and mouse ports are also included for instant connection to accessories such as a laser printer, mouse or graphics tablet.

SmartDrive Integrated Drive Electronics (IDE) technology allows you to add high-performance SmartDrive hard disk drives without the need or expense of a separate controller. Installation is quick, easy and doesn't require an expansion slot.

Tandy 4016 SX. 25-4901 (TSP Available) 1999.00

Innovative Case Design for Easy Access

Both the Tandy 4016 SX and the Tandy 2500 XL feature a unique hinged-bay design which swings open for easy access to card slots and storage devices. This makes upgrades quick and easy and allows for a low-profile, small-footprint design. The all-metal bays create a rugged, protective shell when locked shut. It's the ultimate in convenience.



Microprocessor: Intel 80386SX processor with 16-bit data path. **Clock Speed:** 16 MHz. Bus speed of 8MHz. **Operating Systems:** Phoenix BIOS. Optional MS-DOS® with BASIC, MS OS/2 and SCO XENIX 386. **Memory:** 1 megabyte RAM (expandable to 16 megabytes using expansion slots). **Keyboard:** 101-key enhanced keyboard with tactile feedback. **Video Display:** Built-in 16-bit VGA adapter. Optional high-resolution, non-glare, non-interlaced monochrome (white) or color 14" VGA monitors. **Disk Drive:** Built-in 3½" 1.44MB floppy disk drive. On-board high-capacity floppy controller supports two floppy 3½" or 5¼" drives. Front-Panel Drive storage is expandable to include two 3½" plus one 5¼" floppy, hard disk, disk cartridge or tape backup systems. Integrated drive electronics for expansion with SmartDrive IDE hard disk drives. **Internal Expansion:** Three 16-bit, 13" IBM® PC AT® compatible slots. Optional 80387SX math coprocessor can be added. **External Connections:** Serial and Bidirectional parallel printer ports. Mouse port. **Dimensions:** (H × W × D) 4¼ × 15½ × 15". **Weight:** 16.5 lbs. **Power Requirements:** Input: 120 VAC, 60 Hz. Output: 100 watts. U.L. listed. **Certification:** FCC Class B.

*On Our 36-mo. Commercial Lease (Plus Applicable Use/Sales Tax). IBM and AT/Reg. TM IBM Corp.

OUR FINEST 80286-BASED OFFICE PC

Built-In DeskMate™ Graphical User Interface Lets You Power & Run!

1499.00 Monitor not included

Lease for Only $75 Per Month*

- MS-DOS and DeskMate Interface Load Without Diskettes
- DeskMate® 3 Productivity Software With Built-In Tutorial
- 10 MHz Intel 80286 Microprocessor
- 1MB RAM, Expandable to 16MB
- Built-In 16-Bit VGA Video Adapter
- Sound and Speech Capabilities
- SmartDrive IDE Hard Disk Support
- Built-In 3½" Disk Drive Stores 1.44MB on a Single Disk
- Three 16-Bit, AT-Compatible Expansion Slots
- Parallel Printer Port, RS-232 Serial Port & Mouse Port Built In
- 101-Key Keyboard With Tactile Feedback
- Supports Multitasking Applications Developed Under MS OS/2

Tandy 2500 XL. The Tandy 2500 XL is the ideal mid-range computer for small business and personal use. This 80286-based system comes with MS-DOS and the DeskMate Graphical User Interface built into memory. There's no need to load with diskettes. Just turn on the computer—you'll be greeted with a neat, organized display of your programs. The DeskMate Graphical User Interface guides you through tasks quickly and simply, with its proven format of pull-down menus and pop-up dialogue boxes.

The 2500 XL even comes with DeskMate applications software, so you can start computing the very first day. The "Desktop" display lists DeskMate applications as well as other programs you may own. Access them all with just a point and click. The desktop also translates hard-to-understand, cryptic MS-DOS commands into plain English. DeskMate includes text word processing with a 90,000-word spelling dictionary, worksheet, filer, calendar, address book, draw, hangman word game, phone accessory and the PC-Link online information service (requires optional modem). A tutorial program gets you "up and running" fast, and no matter where you are in the program, you can ask DeskMate's help function for timely, on-the-spot advice. And with the 2500XL's enhanced sound and speech capabilities, you can record and listen to voice and music.

A 16-bit, high-performance VGA video adapter is built in. And 16-bit, industry-standard card expansion makes it easy to grow. Plus, built-in SmartDrive technology lets you add 40 or 80 megabytes of data storage without the need or expense of a controller board.

Tandy 2500 XL. 25-4074 (TSP Available) 1499.00

Tandy 2500 XL/4016 SX Expansion Options

VGM-300 VGA Color Monitor. Pictured above. 14" diagonal measure screen. 320×200 graphics in 256 colors or 640×480 in 16 colors. 25-4042 . . . . . 629.00

2MB 100ns Memory Kit. For memory expansion to 16MB. Requires Memory Expansion Adapter (900-2395) for memory expansion beyond 4MB. 25-5033 . . . . . 599.95

Memory Expansion Adapter. 900-2395 . . . . . 159.95

40MB 28ms 3½" SmartDrive. 25-4123 . . . . . 649.00

80MB 19ms 3½" SmartDrive. 25-4120 . . . . . 899.00

Intel 80387SX Math Coprocessor. For Tandy 4016 SX. 900-2321 . . . . . 506.00

Intel 80287-8 Math Coprocessor. Operates at 8 MHz. 900-2191 . . . . . 326.00

Microprocessor: Intel 80286 processor with 16-bit data path. **Clock speed:** 10 MHz. Real-time clock with battery backup. **Operating Systems:** Microsoft MS-DOS 3.3 (in ROM), GW-BASIC and DeskMate. Phoenix BIOS. **Memory:** 1MB RAM. By using the expansion slots, memory is expandable to 16 megabytes. **Keyboard:** 101-key enhanced keyboard with tactile feedback. **Video Display:** Built-in, 16-bit VGA video adapter. Optional high-resolution, non-glare, non-interlaced 14" monochrome (white) or color VGA monitor. **Disk Drives:** Built-in 3½" 1.44MB floppy disk drive. On-board high-capacity floppy controller supports two floppy 3½" or 5¼" drives. Drive storage is expandable to include one additional internal 3½" or 5¼" floppy plus hard disk, disk cartridge or tape backup systems. Integrated drive electronics for expansion with SmartDrive IDE hard disk drives. **Internal Expansion:** Three 13" 16-bit IBM AT bus-compatible card slots. Optional 80287-8 Math Coprocessor. **External Connections:** Bidirectional parallel printer port and RS-232 serial port, mouse port. **Dimensions:** (H×W×D) 4¼×15½×15". **Weight:** 16.5 lbs. **Power Requirements:** Input: 120VAC, 50/60 Hz. Output: 70 Watts. U.L. listed. **Certification:** FCC Class B.

*On Our 24-Mo. Commercial Lease (Plus Applicable Use/Sales Tax). Prices Apply at Radio Shack Computer Centers and Participating Radio Shack Stores and Dealers.

HIGH-PERFORMANCE TANDY 5000 MC

The Alternative of Choice for Today's Power Users

4999.00

Lease for Only $170 Per Month*

Monitor not included

- **20 MHz Intel® 80386 Microprocessor**
- **2MB RAM, Expandable to 16MB**
- **Intel 82385 Memory Cache Controller**
- **Built-In VGA Graphics**
- **Displays up to 256 Colors, 64 Shades of Gray**
- **Five IBM® Micro Channel™ Expansion Slots, Two Dedicated Memory Slots**
- **Built-In 1.44MB 3½" Disk Drive, Plus Three Front-Panel Device Slots**
- **High-Speed/High-Capacity Disk Drive Options**
- **Small Footprint ■ Security Keylock**
- **Supports MS-DOS®, MS® OS/2 and SCO® XENIX® Operating Systems**
- **Use As the Hub of a Multiuser System, or As a File Server in a 3Com Office Workgroup**

The Tandy 5000 MC professional system is strictly business, from the look of its 256,000-color VGA graphics to the tactile feel of its keyboard. Inside is pure performance, from the Intel 80386 processor operating at 20 MHz to the fast memory with cache that provides RAM-fast access to your data. The 5000 MC can take full advantage of industry-standard MS-DOS applications, powerful new MS OS/2 programs or multi-user XENIX software.

The 5000 MC boasts the powerful 80386 microprocessor. Operating at 20 MHz, the 5000 MC cuts through the big jobs like database management, large spreadsheets and sophisticated graphics. And you can add a 20 MHz Intel 80387 math coprocessor for even faster calculations. To provide the fastest possible memory access, the 5000 MC includes the Intel 82385 Memory Cache Controller. This controller uses 32-bit wide, fast-static RAM devices to implement a 32K instruction-and-data memory cache. The result? Virtually instantaneous instruction or data fetch to achieve zero wait-state performance. The system architecture also provides an increase in data-transfer rates when the Tandy 5000 MC is configured within a workgroup or multi-user environment.

The Tandy 5000 MC comes equipped with high-resolution video graphics array (VGA) for extraordinary graphics and crystal-clear text. Ideal for CAD applications and desktop publishing, VGA lets you display up to 256 colors from a palette of over 256,000. Using a monochrome monitor, 64 shades of gray are available for remarkable contrast. VGA also supports CGA, EGA and MCGA graphics and text. In addition, one of the expansion slots may be used for future IBM Micro Channel compatible video expansion support.

Because of its remarkable performance and storage capabilities, the 5000 MC is a natural as the hub of a multi-user system, or as the file server in a 3Com office workgroup. Using SCO XENIX 386, the 5000 MC will support up to 33 data terminals. This configuration lets your entire office share the 5000 MC's power in a truly cost-efficient environment. And in a 3Com workgroup environment, office users with other PCs can access the 5000 MC's enormous database capabilities with unprecedented speed.

Tandy 5000 MC. With 2MB RAM and 3½" 1.44MB disk drive.
25-6000 (TSP Available) 4999.00

Tandy 5000 MC w/ 16ms 80MB Hard Disk.
25-6002 (TSP Available) 6999.00

Microprocessor: Intel 80386. **Clock Speed:** 20 MHz. **Math Coprocessor:** Optional Intel 80387. 20 MHz clock speed. **Memory Cache:** Intel 82385 Memory Cache Controller with 32K static RAM. Maximizes memory processing (95% of processor requests at 0 wait states). **System Memory:** 2MB standard, expandable to 16MB via two dedicated, high-speed 32-bit memory slots. **Video Support:** VGA graphics built in. VGA graphics provide up to 256 colors from a palette of over 256,000 and 64 shades of gray (monochrome). Also includes support for MCGA, EGA and CGA software modes. **Mass Storage Devices:** Built-in 1.44MB 3½" floppy disk drive. A second internal 3½" floppy or hard drive may be added. Two additional 5¼" device slots allow installation of an internal 5¼" floppy disk drive (1.2MB or 360K), a tape drive, or hard disk drive options. **Keyboard:** Ergonomic, 101-key enhanced keyboard with tactile feedback. 12 function keys, separate numeric keypad. **Expansion Slots:** Five standard IBM Micro Channel card slots (two 32-bit, three 16-bit), plus two 32-bit dedicated memory slots. **Standard Interfaces:** Mouse port, asynchronous communications port (RS-232 serial), parallel printer port. **Real-Time Clock:** Built-in real-time clock with battery backup. **Operating Systems:** Optional MS-DOS, MS OS/2 and SCO XENIX 386. Phoenix BIOS. **Power Supply:** 200 watts (exceeds power requirements of system, even when fully configured). U.L. listed. **Dimensions:** 6⅛ x 17 x 15½". **Authorization:** Verified to comply with FCC Class A.

*On Our 36-mo. Commercial Lease (Plus Applicable Use/Sales Tax)

TANDY 5000 MC EXPANSION OPTIONS

An Overview of the Tandy 5000's IBM Micro Channel Architecture

The Tandy 5000 MC features IBM Micro Channel-compatible architecture. At the heart of this architecture is a new bus design that expands the data path to a full 32 bits. This design also allows multiple microprocessors to use the same bus. Intelligent peripherals will be able to operate without burdening the CPU. The effect is to optimize throughput between I/O devices and the CPU for unprecedented performance. Five Micro Channel expansion slots are available on the Tandy 5000 MC, which support only IBM Micro Channel-compatible adapters listed on this page.

Tandy 5000 MC Technical Reference Manual.
25-6108 ..... 99.95

Operating Systems

MS OS/2. 25-4100 ..... 325.00

MS-DOS 3.3 and GW-BASIC. Supports multiple DOS disk partitions to access disk drive capacity above 32 megabytes.
25-4109 ..... 119.95

Microsoft® Windows 386.
25-5111 ..... 195.00

Tandy 5000 MC Expansion Options

VGM-300 RGB Analog Monitor. Pictured on page 8. 14″ screen displays 320 × 200 graphics in 256 colors or 640 × 480 in 16 colors. With .31 mm dot pitch.
25-4042 ..... 629.00
For additional monitor options, see page 14.

New! Tandy PS/2® Mouse. Microsoft compatible. Two buttons.
25-1042 ..... 49.95

Memory Expansion Adapter. Add two 1MB Memory Kits (25-5031) for memory expansion to 2MB per adapter, or four 2MB SIMM Kits (25-5033) for memory expansion to 8MB.
25-6030 ..... 99.95

New Low Price! 1MB Memory Kit. Add two 1MB Memory Kits to the Memory Expansion Adapter (25-6030) for an additional 2MB of memory on the 5000 MC. Contains four 256K SIMMs. Was $599.95 in RSC-21.
25-5031 ..... 349.95

New Low Price! 2MB SIMM Kit. Was $1299.00 in RSC-21.
25-5033 ..... 599.95

Orchid RamQuest Extra. 2MB memory adapter, expandable to 8MB, supports LIM 4.0 expanded memory applications. Works in both 16-bit Micro Channel expansion slot and higher performance 32-bit. Includes one parallel port and one serial port with serial cable.
900-2460 ..... 1179.00

Neotech Serial/Parallel Adapter.
900-2454 ..... 169.95

STB Dual-Port Serial Adapter.
900-2455 ..... 225.00

Intel 80387 Math Coprocessor-20. Performs fast and highly accurate mathematical calculations. Operates at 20 MHz. User installable. Was $1095.00 in RSC-20.
900-2193 ..... 647.00

Popular Storage Options

3½″ Internal 1.44MB Floppy Disk Drive Kit.
25-4053 ..... 279.95

5¼″ Internal 1.2MB Disk Drive Kit. Was $299.95 in RSC-20.
25-4050 ..... 199.95

SCSI Host Adapter. The highest-performance Micro Channel-to-SCSI host adapter in the industry. Data rates up to 64 megabits per second. A single board will support up to three internal or external hard drives or tape backup systems. For a complete list of SCSI (Small Computer System Interface) Hard Drives and Tape Backup Systems available for the 5000 MC, see page 15.
25-6060 ..... 499.95

40MB 19ms 3½″ SCSI Hard Drive. Was $999.00 in RSC-20.
25-4159 ..... 799.00

80MB 19ms 3½″ SCSI Hard Drive. Was $1499.00 in RSC-20.
25-4160 ..... 1299.00

170MB 19ms 5¼″ SCSI Hard Drive. Was $2499.00 in RSC-20.
25-4162 ..... 1999.00

344MB 19ms 5¼″ Full Height SCSI Hard Drive. Occupies two 5¼″ device slots.
25-4163 ..... 2999.00

Western Digital ESDI Controller. IBM PS/2 compatible ESDI controller. Provides data transfer up to 10 megabits per second. Supports two ESDI hard disk drives.
900-2450 ..... 429.95

150MB 5¼″ Half-Height ESDI Hard Drive. 18ms average access. Requires ESDI controller 90-2450.
25-4151 ..... 1999.00

Communications Options

Ven-Tel® 2400-bps Internal Modem-MC. CCITT V.22bis at 2400 bps, V.22 and Bell 212A at 1200 bps, and Bell 103/113 at 300 bps. IBM Micro Channel bus interface.
900-2198 ..... 449.00

Multiuser Expansion

SCO XENIX 2.3 GT. Includes support for SCSI drives, VGA and DT-110 terminals. 25-5203 ..... 795.00

SCO XENIX Development System. Write "C" and assembly-language programs. 386 "C" compilers support 32-bit code. Powerful DOS cross-development environment programs for DOS and XENIX. 25-5201 ..... 795.00

SCO XENIX Text Processing System. Contains tools for the preparation of presentation-quality documents.
25-5202 ..... 195.00

ARNET Multiport/2. An 8-port multiuser board designed for IBM Micro Channel style bus architecture. Multiple boards may be added for support of up to 32 users on the Tandy 5000 MC when used under SCO XENIX 386.
900-2456 ..... 995.00

ARNET Smartport/2-8.
900-2457 ..... 1595.00

3Com EtherLink™/MC. Allows the 5000 MC to become the file server/workstation in a 3Com office workgroup.
900-1670 ..... 495.00

EtherStart/MC. 900-1671 ..... 49.00

EtherCard Plus/MC. 900-1678 ..... 495.00

Intel and 386/licensed from Intel Corp. MS-DOS, MS and XENIX/licensed from Microsoft Corp. IBM and PS/2/Reg. TM and Micro Channel/TM IBM Corp.
PROTECT YOUR INVESTMENT—TANDY SERVICE PLANS ARE AVAILABLE FOR MANY PRODUCTS. ASK FOR DETAILS.

HI PERFORMANCE FOR HOME OFFICE

286 Speed Combined With Remarkable Ease of Use

1299.00

Low As $40 Per Month*

Monitor not included

- **Powerful 8 MHz Intel® 80286 Microprocessor**
- **SmartDrive™ Technology Provides Affordable Hard Disk Expansion**
- **640K RAM ■ Enhanced Keyboard**
- **Automatically Loads MS-DOS and DeskMate® Without Diskettes**
- **Built-In 3½" 720K Disk Drive**
- **Parallel Printer Adapter, RS-232 Serial Port and Two Joystick Ports**
- **Software Compatible with IBM PC**
- **Enhanced Sound and Speech Capabilities Let You Record and Listen to Voice and Music**
- **DeskMate® 3 Productivity Software with Built-In Tutorial Help**
- **Real-Time Clock and Battery Backup**

Tandy 1000 TL/2. Absolutely packed with features! You can run sophisticated business software on durable 3½" 720K diskettes. A real-time clock/calendar, a parallel printer adapter and RS-232 serial port are all built in.

And because hard disk expansion is so important to serious PC users, the 1000 TL/2 features built-in SmartDrive technology. Tandy SmartDrives provide 20 or 40 megabytes of data storage without the need—or expense—of a separate controller board. You can expand affordably, and without using a card slot!

DeskMate 3, with word processing, spreadsheet analysis, filing and other useful applications, is included—complete with a new Tutorial program to help you get started fast.

And unlike other PCs, the 1000 TL/2 comes with MS-DOS and the DeskMate Graphical User Interface built in. In just seconds after you turn the 1000 TL/2 on, up comes a neat organized display of your programs. You don't have to learn DOS commands, either—the DeskMate Interface guides you as you go.

Built-in video supports monochrome text, Hercules monochrome graphics and CGA color graphics with enhancements. The superb graphics are complemented by digital sound and speech capabilities. Using DeskMate's sound editor and an optional microphone (33-1060), you'll be able to record and edit voice, music, sound effects onto disks, then play them back at your convenience.

Expansion is easy—and thorough. Add a second 3½" internal drive and a 5¼" internal drive for complete flexibility. Inside, there are four PC-compatible card slots and a socket for a math coprocessor.

Tandy 1000 TL/2. 25-1602 (TSP Available) 1299.00

Popular Tandy 1000 TL/2 Accessories

CM-11 High-Resolution RGBI Color Monitor. As seen in photo. 25-1024 . . . . . 399.95

CM-5 RGBI Color Monitor. 25-1043 . . . . . 299.95

Tandy Serial Mouse. Plugs into any 9-pin male serial port. Great for use with DeskMate. 25-1040 . . . . . 49.95

3½" Floppy Disk Drive Kit. Mounts internally. Installation recommended (not included). 25-1075 . . . . . 169.95

5¼" Floppy Disk Drive Kit. Mounts internally. Installation recommended (not included). 25-1063 . . . . . 169.95

20-Megabyte SmartDrive. 25-1045 . . . . . 399.95

40-Megabyte SmartDrive. 25-1046 . . . . . 599.95

The FUNdamentals TL. An interactive intro! 25-1233 . . . . . 19.95

Microprocessor: 80286. Optional 80287 Math Coprocessor. **Clock Speed:** 8/4 MHz (Software Selectable). **Operating System and Included Software:** Microsoft MS-DOS 3.3 (in ROM), GW-BASIC and DeskMate. Phoenix BIOS. **Memory:** 640K RAM (expandable to 768K, 640K for MS-DOS and 128K for Video). EMS memory available through optional expansion boards. Includes 512K ROM and 1024 bits EEPROM for system configuration. **On Board Video Support:** Text—MDA or CGA compatible, 80 or 40 characters per line by 25 lines. Graphics—Hercules (720 × 348 pixels). CGA compatible with enhancements (640 × 200 pixels, 16-color and 4-color). **Display Options:** Monochrome—High resolution monitor (VM-5, green). Color—14" RGB Color Monitor (CM-5 or CM-11). **Sound:** Built-in 8 bit bi-directional DAC for sound and speech generation including internal speaker, ⅛" external stereo headphone jack with volume control and ⅛" microphone input jack. **Disk Drives:** One double-sided, double density 3.5" 720K (formatted) floppy disk drive (1" in height). Disk Drive is expandable to support 3 floppy drives (2-3.5" and 1-5.25") or 3 floppy drives and one SmartDrive hard disk using integrated drive electronics. **Keyboard:** 101-key Enhanced keyboard with tactile feedback. **Internal Expansion Slots:** 4-10" IBM PC Bus compatible (8-bit) card slots. User accessible. **External Connectors:** Parallel Printer Port, RS-232 Serial Port (9-pin male), 2 joystick ports, ⅛" Mic in and ⅛" stereo headphone out. **Internal Clock:** Realtime clock/calendar with battery backup. **Dimensions (H × W × D):** 5.1 × 15.5 × 13.1". **Weight (Shipping):** 33 lbs. **Power Supply:** Input: 120VAC, 50/60 Hz. Output: 67 Watts. UL listed. **Certification:** FCC Class B.

DeskMate/Reg. TM Tandy Corp.

THE PERFECT PCs FOR HOME OR DORM

Easy to Use—Just Power and Run! Ideal For Home Office and Education

999.00 Low As $30 Per Month*

Monitor not included

- **MS-DOS and DeskMate Interface Load without Diskettes**
- **8086 Processor ■ 512K RAM ■ 3½", 720K Disk Drive**
- **DeskMate 3 Productivity Software With Ten Applications**

Tandy 1000 SL/2. Just turn it on and instead of confusing computer jargon, the DeskMate Graphical User Interface will greet you with an organized listing of your programs. Pull-down menus and dialog boxes guide you through each application.

Choose from industry-standard software, or work with the included DeskMate software. DeskMate lets you write letters or book reports with the aid of a built-in 90,000-word spelling checker, keep a budget, organize your files and more.

The Tandy 1000 SL/2 comes with an enhanced 101-key keyboard, a 3½" 720K disk drive and five user-accessible expansion slots.

Tandy 1000 SL/2. 25-1402 (TSP Available) 999.00

Tandy 1000 SL/2 Accessories

CM-5 RGBI Color Monitor. As shown in photo. 25-1043 . . . . . 299.95

Tandy Serial Mouse. Plugs into any 9-pin male serial port. Great for use with DeskMate. 25-1040 . . . . . 49.95

SmartWatch. Time/date on a chip. 25-1033 . . . . . 39.95

Tandy 1000 SL/2 Specifications

Microprocessor: 8/4 MHz 8086. Optional 8087 Math Coprocessor. **Operating System and Included Software:** Microsoft MS-DOS 3.3 (in ROM), GW-BASIC and DeskMate. Phoenix BIOS. **Memory:** 512K RAM (expandable to 640K). **On Board Video Support:** Text—MDA or CGA compatible, 80 or 40 characters per line by 25 lines. Graphics—Hercules (720 x 348 pixels). CGA compatible with enhancements, (640 x 200 pixels, 16-color and 4-color). **Sound:** Built-in 8 bit bi-directional DAC. **Disk Drives:** One 3½" 720K (formatted) floppy disk drive. Expandable with second floppy drive (5.25" or 3.5") and 1 hard disk card. **Keyboard:** 101-key Enhanced keyboard. **Internal Expansion Slots:** 5-10" IBM PC Bus compatible (8-bit) card slots. **External Connectors:** Parallel Printer Port, RS-232 Serial Port (9-pin male), 2 joystick ports, ⅛" Mic in and ⅛" stereo headphone out. **Internal Clock:** Optional SmartWatch (25-1033). **Dimensions (H x W x D):** 5.1 x 15.5 x 13.1". **Weight (Shipping):** 33 lbs. **Power Supply:** Input: 120VAC, 50/60 Hz. Output: 67 Watts. UL listed. **Certification:** FCC Class B.

Our Lowest-Priced PC-Compatible for Home or School

699.00 Low As $25 Per Month*

Less monitor and platform

- **Built-In MS-DOS—Loads in Seconds Without Diskettes!**
- **3½", 720K Disk Drive ■ 256K RAM ■ 3-Voice Sound**
- **Easy-to-Use, Seven-in-One Personal DeskMate 2™ ***

Tandy 1000 HX. The affordable PC with deluxe features. A high-capacity, 720K 3½" disk drive is built in—and there's room for a second 3½" drive. You can use PC-compatible programs available on 3½" diskettes or 5¼" disks with an optional 5¼" External Drive. Personal DeskMate 2 is an easy to use, integrated program including PAINT, MUSIC, TEXT, WORKSHEET, FILER, COMMUNICATIONS** and CALENDAR.

Tandy 1000 HX. 25-1053 (TSP Available) 699.00

Tandy 1000 HX Accessories

CM-5 RGBI Color Monitor. Shown with 1000 HX. 25-1043 . . . . . 299.95

Monitor Platform. Shown with 1000 HX. 26-1329 . . . . . 19.95

The FUNdamentals. An interactive introduction to the operation of your 1000 HX. 25-1186 . . . . . 24.95

Microprocessor: 7.16/4.77 MHz. 8088-2. **Memory:** 256K RAM, expandable to 640K. **On Board Video Support:** Text—80 or 40 characters per line by 25 lines. Graphics—CGA compatible with enhancements; 640 x 200 pixels, 4 color; 320 x 200 pixels, 16 color. **Disk Drive:** 720K (formatted) 3½" mini-floppy. **Internal Expansion:** Second 3½" 720K disk drive. One "PLUS" style expansion board or two "PLUS" style expansion boards when used with Memory PLUS Expansion Adapter (25-1062). Clock/Calendar (25-1033). **External Connections:** 5¼" 360K or 3½" 720K external drive. Standard parallel and two joystick ports. **Dimensions:** 3¼ x 17 x 14½". **Weight:** 19 lbs. **Power Supply:** Input—120 VAC, 50/60 Hz. Output—25 watts. UL listed. **Certification:** FCC Class B.

*REVOLVING CREDIT AVAILABLE—See Page 3. Hercules/TM Hercules Computer Technology. *Personal DeskMate 2 requires an 80-column monitor.
**Communications requires optional modem. MS-DOS/licensed from Microsoft Corp. IBM/Reg. TM IBM Corp. Personal DeskMate 2/TM Tandy Corporation.

THE ULTIMATE IN NOTEBOOK PC'S

SPECIFICATIONS: Microprocessor: NEC V-20. **Clock Speed:** 8 MHz. **Operating System and Included Software:** Microsoft MS-DOS 3.3/GW-BASIC, DeskMate Interface, DeskMate Text and Spell Checker in ROM. **Memory:** 640K RAM. **On-Board Video Support:** 640 x 200 LCD. **Disk Drives:** One internal 720K 3½" double-sided. **Keyboard:** Full-size, 84 keys, 101 emulation. **Modem:** Optional 2400-bps modem. **External Connections:** AC adapter, DB-25 Parallel Printer, DB-9 Serial Port. **Dimensions:** 2⅜ x 12⅛ x 9⅞". **Weight:** 6.4 lbs. **Power Supply:** AC Adapter: 9.5 VDC 1.7A, UL listed. **Battery:** Removable 6 Volt, 1.8 Ah. **Certification:** FCC Class B.

Built-In Software Lets You Use the Tandy 1100 FD Instantly

NEW FOR '90

999.00 Low As $30 Per Month*

- **A Mere 2⅜ x 12⅛ x 9⅞" ■ Only 6.4 Pounds**
- **Features Word Processing With Spell Checker Built In—Takes Notes in Seconds**
- **3½" 720K Disk Drive ■ DeskMate® Software**
- **Removable, Rechargeable Battery Gives Up to Five Hours of Non-Stop Computing Power**

Tandy 1100 FD. Ready to use the moment you turn it on—because MS-DOS® and DeskMate Word Processing, a 90,000-word Spell Checker, and the DeskMate Graphical User Interface™ are all built in. Full-size 9" screen displays 80 x 25 text and 640 x 200 CGA graphics. Includes DeskMate software with nine productivity programs. With an 84-key enhanced keyboard, printer port and serial port. 25-3530 (TSP available) 999.00

NEW! Rechargeable Replacement Battery. 25-3536 . . . . . 29.95

NEW! 2400-bps Internal Modem. 25-3538 . . . . . 199.95

NEW! Carrying Case. 25-3512 . . . . . 39.95

NEW! Deluxe Carrying Case. 25-3513 . . . . . 49.95

HIGH-PERFORMANCE LAPTOP PC

Tandy 2800 HD System With 20-Megabyte Hard Drive Built In

NEW FOR '90

3499.00 Lease for Only $120 Per Month*

- **8⅝ x 9⅛" Electroluminescent Backlit Screen**
- **Includes 1MB of Memory, Expandable to 2MB**
- **12 MHz 80C286 Technology ■ 640 x 400 EGA Graphics**

Tandy 2800 HD. With the included DeskMate productivity software on your hard drive, you can get right to work with ten applications that let you do word processing, spreadsheets and more. Save your programs and files on the hard drive for fast access without loading diskettes! Of course, you can always transfer files with your office PC using the built-in 3½" 1.44MB disk drive. Or, use the 2800 HD as a desktop computer—it's ready to use with an optional color monitor, printer and separate keyboard. Includes external battery charger. 25-3550 (TSP available) 3499.00

NEW! 2400-bps Internal Modem. 25-3555 . . . . . 199.95

NEW! 1MB Memory Upgrade Board. 25-3554 . . . 399.95

NEW! Replacement Battery. 25-3556 . . . . . 49.95

Soft Carrying Case. 25-3511 . . . . . 44.95

NEW! Deluxe Carrying Case. 25-3513 . . . . . 49.95

SPECIFICATIONS: Microprocessor: 80C286. **Clock Speed:** 12/6 MHz (switchable). **Operating System and Included Software:** Microsoft MS-DOS 3.3/GW-BASIC, DeskMate. **Memory:** 1MB. **On-Board Video Support:** 640 x 400 LCD with EL backlight. **Disk Drives:** One 1.44 MB 3½", plus one 20MB hard disk drive. **Keyboard:** Full-size, 84 keys, 101 emulation. **Modem:** Optional 2400-bps modem. **External Connections:** AC adapter, DB-25 Parallel Printer, DB-9 Serial Port, RGBI Color Monitor, Enhanced Keyboard. **Dimensions:** 12¼ x 13¾ x 3⅓". **Weight:** 12.5 lbs. **Power Supply:** AC Adapter: 15 VDC 700 mA, UL listed. **Battery:** Removable 4.8 Volt, 4400 mAh. **Certification:** FCC Class B.

*On Our 36-Mo. Commercial Lease (Plus Applicable Use/Sales Tax). MS-DOS/Licensed from Microsoft Corp. DeskMate/Reg. TM Tandy Corp.

PC-COMPATIBLE TANDY 1400 LAPTOPS

Desktop Power With the Advantage of Total Mobility

Tandy 1400 FD With Two 3½" 720K Disk Drives

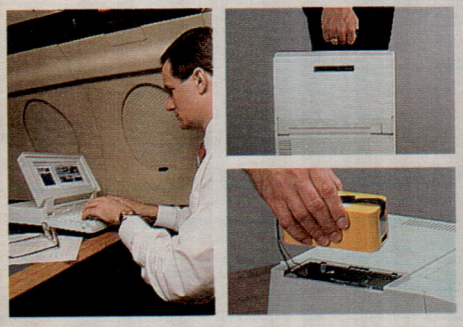
1499.00

Low As $46 Per Month*

Tandy 1400 HD With Built-In 20MB Hard Disk Drive

2499.00

Low As $76 Per Month*



1400 HD Features Built-In Hard Disk

- **Full-function IBM® PC Compatible**
- **Built-In Carry Handle**
- **High-Definition Supertwist Backlit Display for Superb Clarity**
- **Removable, Rechargeble Battery Pack for Constant Power**

Tandy 1400 FD. The perfect solution for people who spend time traveling. You'll be able to finish reports and memos, organize your presentation materials—and create spreadsheets—at any time or place. Write a proposal on the plane or in your hotel room. You can even take the 1400 FD home to complete your office work. Finishing those important jobs is a snap with the 1400 FD.

Naturally, you can use the 1400 FD in your office and enjoy all the advantages of a fully configured desktop computer. You can add an RGB color monitor, a separate keyboard and a printer, because all of the adapters are built in. The 1400 comes with MS-DOS® 3.3/GW-BASIC—they aren't expensive options you have to buy before you can use your computer. And because it is IBM PC compatible, you can run sophisticated programs to increase your productivity.

The remarkably clear backlit liquid-crystal display is the ultimate in clarity and readability. It features 80-character by 25-line resolution (same as a full-sized monitor), and the latest in "supertwist" LCD technology. The keyboard features 76 typewriter-style keys and special-function keys.

Tandy 1400 FD. 25-3501 (TSP Available) 1499.00

Tandy 1400 HD. Same as the Tandy 1400 FD, but with a 20MB hard drive and one 3½" floppy drive.
25-3505 (TSP Available) 2499.00

Tandy 1400 FD/HD Accessories

2400-bps Internal Modem. 25-3524 . . . . . 199.95

1200 bps Internal Modem. 25-3510 . . . . . 119.95

World Port 2400 Modem. 900-2207 . . . . . 299.00

Internal 20MB Hard Disk Kit. Replaces one of the 1400FD's floppy drives. Installation required (not included).
25-3516 . . . . . 1099.00

Replacement Battery Pack. 25-3521 . . . . . 79.95

MS-DOS/GW-BASIC Reference Guide. Complete guide to all MS-DOS and GW-BASIC commands. 25-1508 . . . . . 29.95

Carrying Case. 25-3511 . . . . . 44.95

Deluxe Carrying Case. 25-3513 . . . . . 49.95

Weltec External 5¼" Disk Drive. 900-2084 . . . . . 299.00

Tandy 1400 LT Accessories

Internal 20-Megabyte Hard Disk Kit. Replaces internal floppy drive. Installation required (not included). 25-3515 . . . . . 1199.00

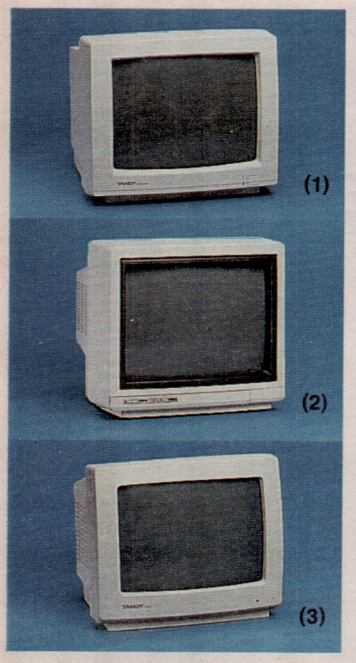
Replacement Battery Pack. 25-3520 . . . . . 79.95

Technical Reference Guide. 25-1515 . . . . . 39.95

Microprocessor: NEC V-20 (8088 equivalent). **Clock Speed:** 8/4.77 MHz (switchable). **Operating System and Included Software:** Microsoft MS-DOS 3.3/GW-BASIC. Phoenix Bios. **Memory:** 16K ROM, 768K RAM. 640K accessible by MS-DOS, 128K available for RAM-based disk drive. **On Board Video Support:** Backlit "Supertwist" LCD, 640 x 200 pixels, 80 x 25 characters, aspect ratio 1:1.4. Optional RGB Color Monitor. **Disk Drives:** FD—Two internal 720K 3½" double-sized, double-density. HD—One 720K 3½", plus one 20MB hard disk drive. Both models support one external disk drive. **Keyboard:** Full-size, 76 keys. **Modem:** Optional 1200 or 2400-bps modem. **External Connections:** AC adapter, DB-25 Parallel Printer, DB-9 Serial Port, RGBI Color Monitor, External Disk Drive, Enhanced Keyboard. **Dimensions:** 3½ x 12½ x 14½". **Weight:** 11.5 lbs. **Power Supply:** AC Adapter—15 VDC 700 mA, UL listed. Battery—Removable 4.8 Volt, 4400 mAh. **Certification:** FCC Class B.

*REVOLVING CREDIT AVAILABLE—See Page 3.

QUALITY SYSTEM ENHANCEMENTS



Monitors and Accessories

(1) VGM-300. Our top-of-the-line VGA color analog monitor, with .31mm dot pitch. 25-4042 . . . . . 629.00

VGM-200. An affordable VGA color display with .42mm dot pitch. 25-4041 . . . . . 499.95

VGM-100 Monochrome VGA Monitor. Displays up to 64 shades of grey. 25-4040 . . . . . 199.95

6-ft. Shielded VGA Monitor Extension Cable. DB 15 connector. 26-255 . . . . . 24.95

(2) CM-11 High-Resolution CGA Monitor. Displays 640 x 200 graphics resolution. 25-1024 . . . . . 399.95

CM-5 CGA Monitor. Displays standard 320 x 200 graphics. 25-1043 . . . . . 299.95

(3) VM-5 Monochrome Monitor. 14″ screen displays up to 720 x 350 graphics. 25-3012 . . . . . 149.95

6′ Shielded Monitor Extension Cable. DB9 connector for EGA/CGA and Monochrome Monitors. 26-257 . . . 14.95

Video Adapters—see chart to determine if an adapter is required to add a monitor to your system.

New Low Price! 8-bit VGA Adapter. Was $399.95 in RSC-21. 25-4043 . . . . . 299.95

Paradise VGA Plus 16. Delivers full 16-bit data access speed. 900-2024 . . . . . 399.00

EGA/CGA Adapter. Supports EGA, CGA, MDA, Plantronics and Hercules. 25-3048 . . . . . 249.95

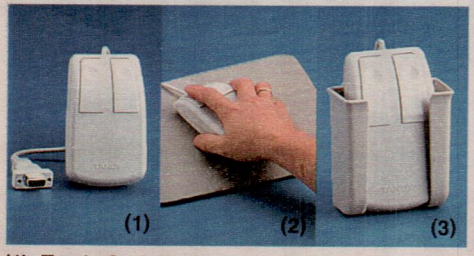
Monochrome Graphics Adapter. Supports both 80 x 25 text and high-resolution 720 x 350 Hercules graphics. Includes parallel port. 25-3049 . . . . . 119.95

Monitor/Adapter Combinations

	Computer			
Monitor	**1000 1000 SX 1000 TX**	**1000 SL 1000 SL/2 1000 TL 1000 TL/2**	**3000-series 4000 4000 LX**	**2500 XL 4000 SX 4016 SX 4016 DX 4020 LX 4025 LX 4033 LX 5000 MC**
CGA: CM-11 CM-5	No adapter required	No adapter required	Requires EGA/CGA Adapter 25-3048	N/A
Monochrome: VM-5	Requires Monochrome Graphics Adapter 25-3049	No adapter required	Requires Monochrome Graphics Adapter 25-3049	N/A
VGA: VGM 300 VGM 200 VGM 100	Requires VGA Adapter 25-4043	Requires VGA Adapter 25-4043	Requires either 25-4043 or 900-2024	No adapter required

Input Options Add Convenience and Flexibility to Your Computer System

Mouse Cursor Controllers



(1) Tandy Serial Mouse. With DB9F Connector. Microsoft compatible. Two buttons. 25-1040 . . . . . 49.95

NEW! Tandy 2-Button Mouse. With PS/2®-style connector. Microsoft compatible. 25-1042 . . . . . 49.95

Serial Port Adapter. DB9 male to DB25 female. 26-287 . . . . . 7.95

Logitech Serial Mouse. Three buttons for specialized applications. 90-2356 . . . . . 109.95

Microsoft Serial Mouse. Two buttons. Also PS/2 compatible. 900-2116 . . . . . 150.00

Microsoft Bus Mouse. 900-2117 . . . . . 150.00

Kraft Trackball. With foot switch. Connects to serial port. 90-2298 . . . . . 129.95

Deluxe Color Mouse. Two buttons. Plugs into Tandy 1000 joystick port. 6-pin DIN connector. 26-3125 . . . . . 49.95

(2) Mouse Pad. Provides excellent contact and keeps roller clean. 9⅜ x 7⅞″. 26-237 . . . . 6.95

(3) Mouse Hanger. Protects your mouse when not in use. 26-275 . . . . . 2.49

Joysticks Add Excitement

29.95

For Tandy 1000 and Color Computer

Pistol-Grip Joystick. Self-centering, with buttons on joystick and base. 26-3123 . . . . . 29.95

Deluxe Joystick. Self-centering or free floating, with fire buttons on base. 26-3012 . . . . . 22.95

Budget Joysticks. 26-3008 . . . . . 19.95/Pair

Maxximum Co. Maxxyoke Control Stick. Enhances flying and driving simulation. Uses both 6-pin DIN Tandy joystick ports. 90-2176 . . . . . 99.95

Light Pens

Warp Speed Light Pen. With free driver software for Tandy DeskMate, Microsoft Windows and a File Controller.

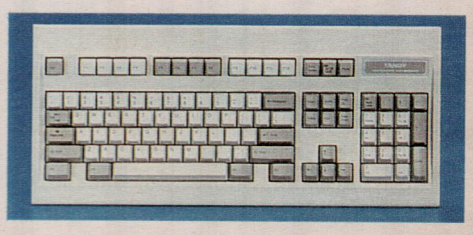
For Tandy 1000 Computers. Not for 1000 EX/HX. 5¼″, 905-2069 . . . . . 199.99

For Other IBM® PC Compatibles. 5¼″, 905-2074 . . . . . 199.99

Lite Pen Company Lite Pens. With software for draw/paint, world/national maps and tutorials.

For Tandy 1000 Computers. Not for 1000 EX/HX. 5¼″, 905-2085 . . . . . 179.95

For Other IBM® PC Compatibles. 5¼″, 905-2086 . . . . . 179.95



Keyboards

101-Key Enhanced Keyboard. Requires adapter (25-1030) for attachment to Tandy 1000s. 25-4032 . . . . . 119.95

Keyboard Cover. For 101-key enhanced keyboard (except 25-4038). 17⅝ x 6¼″. 26-1336, 7.95

Extension Cable for 101-Key Enhanced Keyboards. 26-256 . . . . . 14.95

Extension Cable for 90-Key Keyboards. 26-1389 . . . . . 14.95

Universal Keyboard Adapter. Connect an enhanced 101-key keyboard to a Tandy 1000 or 1000 SX, TX. 25-1030 . . . . . 99.95

Genest Technologies Command Patch System. Speeds, simplifies supported programs.

For Tandy 1000s. 5¼″, 905-2152 . . . . . 159.95

For Tandy 3000s/4000s. 5¼″, 905-2153, 159.95

Drawing Tablets

Kurta IS/ONE Tablets. With 4-Button Cursor.

12 x 12″. 900-2195 . . . . . 645.00

12 x 17″. 900-2196 . . . . . 995.00

Replacement 4-Button Cursor. 900-2197 . . . . . 100.00

N/A—Not Applicable. Prices apply at Radio Shack Computer Centers and participating Radio Shack stores and dealers. PS/2 Reg. TM/IBM Corp.

HIGH-CAPACITY STORAGE OPTIONS

Hard Drives and Controllers

20MB Hard Card. 25-1032 . . . . . 499.95
40MB Hard Card. 25-4059 . . . . . 699.95
40MB 3½" 19ms SCSI Hard Drive. 25-4159 . . . . . 799.00
80MB 3½" 19ms SCSI Hard Drive. 25-4160 . . . . . 1299.00
170MB Half-Height 19ms SCSI Hard Drive. 25-4162 . . . . . 1999.00
344MB 19ms 5¼" Full-Height SCSI Hard Drive. 25-4163 . . . . . 2999.00
SCSI Host Adapter. 25-4161 . . . . . 349.95
SCSI Host Adapter. For the 5000 MC. 25-6060 . . . . . 499.95
150MB 18ms 5¼" Half-Height ESDI Hard Drive. 25-4151 . . . . . 1999.00
Western Digital ESDI Controller for 5000 MC. 900-2450 . . . . . 429.95
Western Digital AT ESDI Controller. 900-2370 . . . . . 299.00

SmartDrive IDE 3½" Hard Drives

XT-Style 20MB 70ms. 25-1045 . . . . . 399.95
XT-Style 40MB 40ms. 25-1046 . . . . . 599.95
AT-Style 40MB 28ms. 25-4119 . . . . . 649.00
AT-Style 40MB 28ms 1" Height. 25-4123 . . . . . 649.00
AT-Style 80MB 19ms. 25-4120 . . . . . 899.00
SmartDrive Interface Adapter. 25-4121 . . . . . 49.95

Hard Drive/Adapter Combinations

Hard Drive	Computer				
	1000 1000 SX, TX 1000 SL, SL/2, TL	1000 TL/2	3000-series 4000 4000 LX	2500 XL 4000 SX 4016 SX, DX	4020 LX 4025 LX 4033 LX	5000 MC
Hard Cards: 20MB, 25-1032 40MB, 25-4059	No adapter required	No adapter required	No adapter required	No adapter required		N/A
SmartDrive IDE XT® Hard Drives: 20MB, 70ms. 25-1045 40MB, 40ms. 25-1046	N/A	No adapter required	N/A	N/A		N/A
SmartDrive IDE AT® Hard Drives: 40MB, 28ms. 25-4119 40MB, 28ms. 25-4123 80MB, 19ms. 25-4120	N/A	N/A	Requires SmartDrive Interface 25-4121	No adapter required (25-4123 recommended for 40MB in Tandy 2500 XL and 4016 SX)		N/A
SCSI Hard Drives: 40MB, 19ms. 25-4159 80MB, 19ms. 25-4160 170MB, 19ms. 25-4162 344MB, 19ms. 25-4163	N/A	N/A	Requires SCSI Host Adapter 25-4161	Requires SCSI Host Adapter 25-4161 (25-4163 not available for 2500 XL & 4016 SX)		Requires SCSI Host Adapter 25-6060
ESDI 5¼" Hard Drive: 150MB, 18ms. 25-4151	N/A	N/A	Requires ESDI Controller 900-2370	Requires ESDI Controller 900-2370		Requires ESDI Controller 900-2450

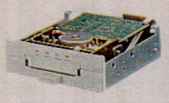
Protect Your Data With Disk Cartridge and Tape Backup Storage Systems

20MB Disk Cartridge

Internal Disk Cartridge System. Add 20MB internal storage. 25-4064 . . . . . 799.00
Secondary "Slave" DCS. 25-4065 . . . . . 999.00
20MB Cartridge. 26-221, 99.95

Videotape Backup

240MB Videotrax Backup. Use with any VCR. 900-2112, 399.00
Alpha Micro VCR. Use with 900-2112 for high-speed directory search or restore. 900-2118, 800.00



60MB Tape Cartridge System

499.95 Uses removable tape cartridges

5¼" 60MB Internal Tape Cartridge System. 60MB capacity, 120MB in compressed mode. 25-4079 . . . . . 499.95
¼" 60MB Tape Cartridge. For above. 26-246 . . . . . 37.95 (Not for use on 40MB systems.)

Archive Tape Backup Systems

Archive 60MB Internal 5¼" Tape Cartridge System. User-friendly menu-driven utility for simple definition of backup criteria. 900-2060 . . . . . 1050.00
60MB External Version. 900-2059 . . . . . 1050.00
Extra Controller for 900-2059. 900-2061 . . . . . 255.00
¼" Data Tape Cartridge. For above drives. 26-204 . . . . 44.95

150MB Tape Backup

Internal 150MB SCSI 5¼" Tape Cartridge System. Lightning-fast 0.8MB-per-second data transfer rate. Requires 25-4161 Host Adapter (sold separately). 25-4169 . . . . . 1299.00
Cipher External 150MB SCSI Tape Cartridge System. Requires 25-4161 Host Adapter (sold separately). 900-2466 . . . . . 1299.00
¼" Data Tape Cartridge. For above drives. 26-204 . . . . 44.95

Floppy Disk Drive Selection Chart

Drive Format	Computer				
	1000 EX 1000 HX	1000 1000 SX, TX SL, SL/2 TL, TL/2	2500 XL 4016 SX	3000 3000 HL 4000 4000 LX	3000 NL 4000 SX 4016 DX 4020 LX 4025 LX 4033 LX 5000 MC
5¼" 360K	External 25-1060	Internal 25-1063	Internal 25-1063	Internal 25-4051	Internal 25-4051
5¼" 1.2MB	N/A	N/A	Internal 25-4050	Internal 25-4050	Internal 25-4050
3½" 720K	Internal (HX only) 25-1065 External 25-1061	Internal 25-1075 (Adapter 25-1076 required for all except TL and TL/2)	Internal 25-1075	Internal 25-1075 (Requires 25-1076 Adapter) External 900-2134	Internal 25-1075
3½" 1.44MB	N/A	N/A	Internal 25-4053	Internal 25-4052	Internal 25-4053

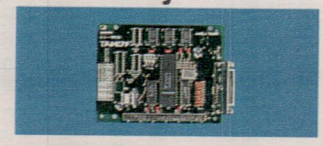
3½" and 5¼" Floppy Disk Drives

3½" 720K Internal Disk Drive. Pictured. 25-1075 . . . . . 169.95
3½" to 5¼" Adapter Bracket. For use with 25-1075 only. 25-1076 . . . . . 34.95
3½" 720K Internal Disk Drive. 25-1065 . . . . . 169.95
3½" 720K External Floppy Disk Drive. 25-1061 . . . . . 279.95
Manzana 3½" 720K External Floppy Disk Drive. 900-2134 . . . . 389.95
3½" 1.44MB Internal Floppy Disk Drive. 25-4052 . . . . . 299.95
3½" 1.44MB Internal Floppy Disk Drive. 25-4053 . . . . . 279.95
5¼" 360K External Floppy Disk Drive. 25-1060 . . . . . 249.95
5¼" 360K Internal Floppy Disk Drive. 25-1063 . . . . . 169.95
New Low Price! 5¼" 360K Internal Floppy Disk Drive. Was $199.95 in RSC-21. 25-4051 . . . . . 169.95
New Low Price! 5¼" 1.2MB Internal Floppy Disk Drive. Was $279.95 in RSC-21. 25-4050 . . . . . 199.95

N/A—Not Applicable. Installation of some expansion items recommended (not included).
PROTECT YOUR INVESTMENT—TANDY SERVICE PLANS ARE AVAILABLE FOR MANY PRODUCTS. ASK FOR DETAILS.

UPGRADE AND EXPANSION ADAPTERS

Serial and Parallel Adapters for Tandy Personal Computers



PLUS RS-232 Serial Interface. Connects serial devices like a mouse or modem. DB25F Connector.
25-1031 . . . . . 59.95

Serial Parallel Adapter. For the Tandy 1000, 3000 and 4000 computer. User installable.
25-4034 . . . . . 149.95

Neotech Serial/Parallel Adapter. For Tandy 5000 MC.
900-2454 . . . . . 169.95

Dual-Port Serial Adapter. For 1000/3000/4000.
25-4039 . . . . . 99.95

STB Dual-Port Serial Adapter. For Tandy 5000 MC.
900-2455 . . . . . 225.00

Serial-to-Parallel Converter.
26-2829 . . . . . 99.95

Specialty Expansion

PLUS Upgrade Adapter Board. Allows you to use PLUS Upgrade Boards in a standard PC card slot. 25-1016 . . . . . 14.95

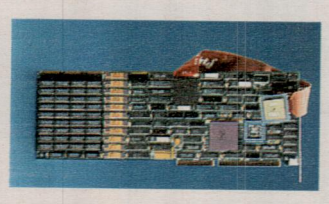
SmartWatch. A perpetual clock/calendar with battery backup in a chip. User installable. For 1000, SX, HX, TX, SL, SL/2.
25-1033 . . . . . 39.95

X-10 POWERHOUSE Computer Interface. Transmits up to 128 timer events to X-10 or Radio Shack Plug 'n Power modules.
5¼", 905-2087 . . . . . 49.95

Metrabyte DAS-16 Data Acquisition System. High-speed analog and digital interface board for Tandy 3000 and PC compatibles.
5¼", 905-2157 . . . . . 955.00

Metrabyte PIO-12 Parallel Digital I/O Interface. For Tandy 1000/3000. Provides 24 TTL/DTL compatible I/O lines, interrupt input enable lines and external connections. 900-2158 . . . . . 115.00

Metrabyte Screw Termination Accessory Board and Cable for Use with DAS-16 and PIO-12. 900-2159 . . . . . 140.00



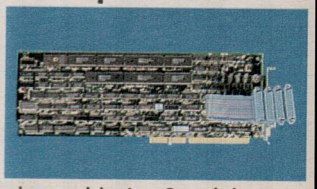
Intel Inboard 386/AT with 0K. Intel 80386-based enhancement board for Tandy 3000, IBM AT and compatibles. Expandable to 1MB with 256K. Was $1395.00 in RSC-20.
900-2127 . . . . . 1295.00

Intel Inboard 386/AT Cable Kit for the Tandy 3000 and AT-Compatibles. 900-2128 . . . . . 200.00

286 Express Board. Replaces CPU with an 80286 microprocessor. For Tandy 1000, SX. 25-1035 . . . . . 399.95

Intel Inboard 386/AT Piggyback Memory with 1MB. Memory expansion option for the Inboard 386/AT. Expandable to 2MB with 256K RAM chips. Was $795.00 in RSC-20.
900-2130 . . . . . 695.00

Multiuser Expansion Adapters



4-User Serial Adapter. Allows Tandy 3000/4000 computers to support up to four serial devices. Features an on-board processor for added performance. For use with the XENIX operating system. Simple, user installable. 25-4031 . . . 349.00

Smartport Board. Arnet Smartport boards provide 4 or 8 serial ports with a communications coprocessor chip to off-load most of the overhead from the host PC. This speeds operations dramatically by allowing faster transfer between the PC and terminals, printers, modems and peripherals.

Arnet Smartport-4 Serial Adapter. 900-2185 . . . . . 995.00

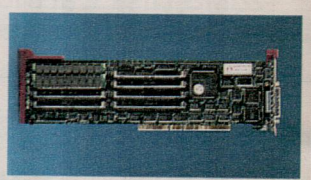
Arnet Smartport-8 Serial Adapter. 900-2186 . . . . . 1295.00

Arnet Multiport Board/2-8. Provides 2 or 8 serial ports which allow terminals, printers, modems and other peripherals to be connected to a Tandy 5000 MC. Use with SCO XENIX 386. Has 8 DB-25 RS-232 ports. 900-2456 . . . . . 995.00

Arnet Smartport/2-8. An intelligent 8-port serial I/O board designed for IBM PS/2 Micro Channel bus computers. Using an on-board processor driving 8 serial ports, Smartport/2 offloads the I/O overhead from the host computer, allowing faster transfer between the host and terminals. 900-2457 . . . . . 1595.00

Multifunction Adapters

Monochrome/Parallel Adapter. Supports monochrome graphics and parallel printer. 25-3049 . . . . . 119.95



AboveBoard PLUS with I/O. Provides 512K of extended or LIM expanded memory support, plus one parallel and one serial port. Memory can be added to support an additional 2 megabytes.
900-2402 . . . . . 745.00

New Low Price! Orchid RamQuest Extra 16/32. For Tandy 5000 MC. Provides up to 8MB memory. Supports OS/2 and LIM EMS 4.0. Features true zero wait-state operation and automatic memory configuration. Includes parallel and serial ports with serial cable. Was $1899.00 in RSC-21. 900-2460 . . . . . 1179.00

Intel Math Coprocessors

New Low Price! 8087-8 8 MHz for 1000 SL, SX, SL/2. Was $220.00 in RSC-21.
900-2121 . . . . . 205.00

New Low Price! 80287-8 8 MHz for Tandy 3000, 3000 HL, 2500 XL, 1000 TX, 1000 TL, 1000 TL/2. Was $353.00 in RSC-21. 900-2191 . . . . . 326.00

New Low Price! 80287-10 10 MHz for 3000 NL. Was $410.00 in RSC-21.
900-2192 . . . . . 374.00

New Low Price! 80387-16 16 MHz for 4000, 4016 DX. Was $645.00 in RSC-21.
900-2131 . . . . . 570.00

New Low Price! 80387SX 16 MHz for 4000 SX, 4016 SX. Was $580.00 in RSC-21.
900-2321 . . . . . 506.00

New Low Price! 80387-20 20 MHz for Tandy 4000 LX, 4020 LX, 5000 MC. Was $733.00 in RSC-21. 900-2193 . . . . . 647.00

80387-25 25 MHz for Tandy 4025 LX. Was $920.00 in RSC-21.
900-2322 . . . . . 814.00

NEW! 80387-33 33 MHz for Tandy 4033 LX. 900-2359 . . . . . 994.00

Trionix 8087 Adapter. Allows use of 5 MHz coprocessor with Tandy 1000, 1000A, 1000 HD. 900-2070 . . . . . 240.00

New Low Price! 8087-5 5 MHz for Tandy 1000, 1000A, 1000 HD. Was $155.00 in RSC-21. 900-2120 . . . . . 142.00

MEMORY EXPANSION/COPROCESSORS

Extended/Expanded Memory

While no limitation exists to accessing high speed extended memory under SCO XENIX or MS OS/2, MS-DOS is limited to 640K. To overcome this limitation, many MS-DOS applications are specially written to use what is known as expanded memory (also referred to as "LIM" memory) addressing. Expanded memory adapters install in standard 16-bit expansion slots.

Tandy 3000/AT Compatible Extended Memory Adapter

New Low Price! 2MB Memory Adapter. Fits standard 16-bit bus slot. Comes with 1MB expandable memory. Was $699.00 in RSC-21.
25-4030 . . . . . 499.95

Memory Expansion Adapters

Computer-specific extended memory adapters contain no memory—add memory kits (sold separately) to support the capacity required. Adapters are available for:

NEW! Tandy 2500 XL/4016 SX.
900-2395 . . . . . 159.95
Tandy 3000 NL. 25-4027 . . . . . 99.95
Tandy 4000 SX. 25-4930 . . . . . 99.95
New Low Price! Tandy 4000/4000 LX. Was $179.95 in RSC-21. 25-5029 . . . . . 139.95
Tandy 4016 DX/4020 LX/4025 LX/4033 LX/5000 MC. 25-6030 . . . . . 99.95

Memory Kits

New Low Price! 128K Memory Kit for 3000 HL/3000 NL. Was $79.95 in RSC-21.
25-4082 . . . . . 69.95
New Low Price! 256K Memory Kit. Was $149.95 in RSC-21. 25-1079 . . . . . 99.95
New Low Price! 512K Memory Kit. Contains two 100 nanosecond 256K SIMMs. Was $299.95 in RSC-21. 25-4028 . . . . . 199.95
New Low Price! 1MB Memory Kit. Contains four 100 nanosecond 256K SIMMs. Was $599.95 in RSC-21. 25-5031 . . . . . 349.95
New Low Price! 2MB Memory Kit. Contains two 100 nanosecond 1MB SIMMs. Was $1299.00 in RSC-21. 25-5033 . . . . . 599.95
2MB Memory Kit. Contains eight 80 nanosecond 256K SIMMs. 25-5131 . . . . . 1499.00
4MB Memory Kit. Contains four 80 nanosecond 1MB SIMMs. 25-5132 . . . . . 2999.00

Tandy 1000 Memory

Memory PLUS Expansion Adapter. Expands your Tandy 1000 EX/HX to 384K and adds DMA. Allows expansion up to 640K.
25-1062 . . . . . 149.95
New Low Price! 256K Memory Kit. Adds 256K to Memory PLUS Expansion Adapter (above) or expands Tandy 1000 SX from 384K to 640K. Contains eight 256K x 1 DRAMs. Was $149.95 in RSC-21. 25-1079 . . . . . 99.95

Tandy 1000 Memory (Cont.)

New Low Price! 128K Memory Kit. Adds 128K to Tandy 1000 TX/TL and SL/2. Adds 256K to Tandy 1000 SL (requires two kits). Was $69.95 in RSC-21. 25-1078 . . . 59.95
Micro-Mainframe EMS-5150T Expanded Memory for Tandy 1000. Provides up to 2MB of expanded memory (LIM 3.2) by using 256K memory kits.
5¼", 905-2161 . . . . . 199.99

Expanded Memory Adapters

Intel AboveBoard PLUS. 512K expandable to 2MB using 25-1079s. Fits standard 16-bit bus slot. 900-2401 . . . . . 695.00
Intel AboveBoard PLUS with I/O. Same as above with parallel and serial ports.
900-2402 . . . . . 745.00
New Low Price! Orchid RamQuest Extra 16/32. For Tandy 5000 MC. Was $1899.00 in RSC-21. 900-2460 . . . . . 1179.00

Tandy Business Systems Memory Expansion Reference Guide

Tandy 2500 XL & Tandy 4016 SX	Expand from 1MB to:							
	2MB	4MB	6MB	8MB	10MB	12MB	14MB	16MB
Replace Memory in Unit	25-5033	2 x 25-5033	2 x 25-5033	2 x 25-5033	2 x 25-5033	2 x 25-5033	2 x 25-5033	2 x 25-5033
Memory Adapter	N/A	N/A	900-2395	900-2395	900-2395	900-2395	2 x 900-2395	2 x 900-2395
Add to Adapter	N/A	N/A	25-5033	2 x 25-5033	3 x 25-5033	4 x 25-5033	5 x 25-5033	6 x 25-5033

Tandy 3000 NL	Expand from 512K to:					
	640K	1MB	2MB	4MB	5MB	8MB
Main Logic Board	25-4082	N/A	N/A	N/A	N/A	N/A
Memory Adapter	N/A	25-4027 +	25-4027 +	25-4027 +	25-4027 + 25-4028 +	25-4027 +
Add to Adapter	N/A	25-4028	3 x 25-4028	2 x 25-5033	3 x 25-5033	4 x 25-5033

The 3000 NL can be expanded beyond 8MB in 2MB increments on the 16-bit expansion slots by populating the 25-4030 Memory Expansion Adapter with 4 x 25-1079 per card. The 3000 NL supports a maximum of 16MB.

Tandy 4000 SX	Expand from 1MB to:				
	2MB	5MB	8MB	12MB	16MB
System Memory with # Memory Kits	add 1 x 25-5031	add 2 x 25-5033	replace 4 x 25-5033	replace 4 x 25-5033	replace 4 x 25-5033
Add Mem. Exp. Brd. with # Memory Kits	N/A	N/A	N/A	add 25-4930 2 x 25-5033	add 25-4930 4 x 25-5033

Tandy 4000	Expand from 1MB to:				
	2MB	4MB	8MB	10MB	16MB
Main Logic Board	25-5031	25-5031 +	4 x 25-5033	1 x 25-5031	4 x 25-5033
Memory Adapter	N/A	25-5029 +	N/A	25-5029 +	25-5029 +
Add to Adapter	N/A	2 x 25-5031	N/A	4 x 25-5033	4 x 25-5033

Tandy 4000 LX	Expand from 2MB to:			
	4MB	8MB	10MB	16MB
Main Logic Board	N/A	2 x 25-5132	N/A	2 x 25-5132
Memory Adapter	25-5029 +	N/A	25-5029 +	25-5029 +
Add to Adapter	25-5131	N/A	2 x 25-5132	2 x 25-5132

Tandy 4016 DX & Tandy 4020 LX	Expand from 1MB to:				
	2MB	4MB	8MB	10MB	16MB
Replace Memory in Unit	25-5031	25-5031 +	4 x 25-5033	add 1 x 25-5031	4 x 25-5033
Memory Adapter	N/A	25-6030	N/A	25-6030	25-6030
Add to Adapter		2 x 25-5031		4 x 25-5033	4 x 25-5033

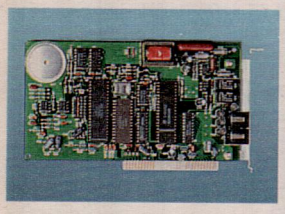
Tandy 4025 LX & Tandy 4033 LX	Expand from 2MB to:			
	4MB	8MB	10MB	16MB
Replace Memory in Unit	N/A	4 x 25-5033		4 x 25-5033
2nd Memory Adapter	25-6030 +	N/A	25-6030	25-6030 +
Add to Second Memory Adapter	2 x 25-5031	N/A	4 x 25-5033	4 x 25-5033

Tandy 5000 MC	Expand from 2MB to:		
	4MB	8MB	16MB
Replace Memory in Unit	N/A	4 x 25-5033	4 x 25-5033
2nd Memory Adapter	25-6030 +	N/A	25-6030 +
Add to Second Memory Adapter	2 x 25-5031	N/A	4 x 25-5033

N/A—Not Applicable. PROTECT YOUR INVESTMENT—TANDY SERVICE PLANS ARE AVAILABLE FOR MANY PRODUCTS. ASK FOR DETAILS.

MODEMS AND COMMUNICATIONS

1200-bps Modems



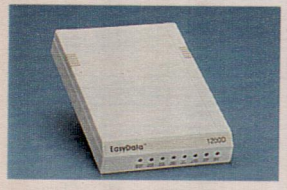
1200-bps Half Card Modem

(Pictured). For the Tandy 1000/3000/4000 and other PC-compatibles with an 8-bit slot. Full Hayes® command set, auto-dial/answer, switchable 1200/300-bps. Bell 212A/103. 25-1013 . . . . 99.95

1200-bps PLUS Card Modem. For Tandy 1000 EX/HX. 25-1018 . . . 99.95

DCM-212 Intelligent Modem

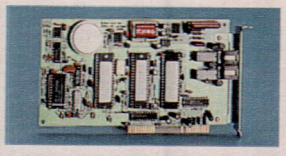
Auto-dial/answer modem is switch-selectable between Hayes and Tandy command sets for XENIX. Bell 212A compatible. FCC registered. UL listed AC. 26-1385 . . . . . 129.95



GCH Systems EasyData 1200-bps External Modem

Bell 212A and Hayes compatibility in a compact package. Features auto-dial/answer, call progress monitoring and adaptive dialing. Includes communications software. 900-2166 . . . . . 129.00

2400-bps Modems



Tandy 2400-bps Half Card

High-speed modem saves connect time. Full Hayes command set, auto-dial/answer. CCITT V.22 bis.
25-1037 . . . . . 179.00

Best Data Products SMART ONE 2400-bps External

(Pictured). 2400/1200/300 bps. Bell 103/212A and Hayes-compatible. Auto-dial/answer. 900-2212 . . . . . 189.00

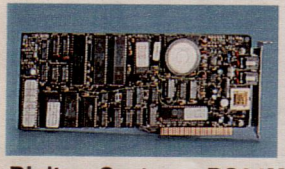
SMART ONE 2400-bps Modem Half Card. (Not Shown).
900-2180 . . . . . 179.00

ZOOM TELEPHONICS MX2400 External Modem

A high-performance modem in a compact package. CCITT V.22 bis. Hayes compatible. 900-2214 . . . . . 179.00

GCH Systems EasyData 2400-bps External Modem. (Not shown). Auto-dial/answer, call progress monitoring and adaptive dialing. Includes communications software. 900-2175 . . . . . 199.00

2400-bps Error-Corrected Modems



Tandy Hayes V-Series Compatible

With Lap-B and V.42 (Lap M or MNP Level 4) error correction, adaptive data compression and synchronous capability. 25-1034 . . . . . 399.95

Digitan Systems DS24M. (Not shown). Half card with software emulation of MNP levels 2-5. Asynchronous or synchronous.
900-2295 . . . . . 139.95

Datatrek 2424AMH External

Service level 4 MNP error correction protocol compatible. Dynamic adaptive equalization provides better overall bit error rate performance. V.22 bis. Bell 212A/103 compatible. 900-2178, 345.00

Datatrek 24M 10″ Card. (Not shown). With MNP level 4. 900-2177 . . 345.00

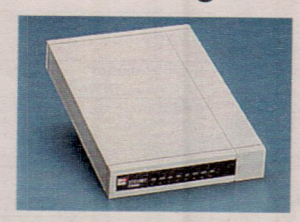
Microcom AX/2400c External Modem

A high-performance modem from the originators of MICROCOM Networking Protocol (MNP™). Effective throughput up to 4800 bps with data compression at MNP level 5. 900-2146 . . . . . 599.00

2400-bps Micro Channel Bus Modem

Ven-Tel 24/2 Internal Modem. 2400/1200/300 bps asynchronous. CCITT V.22 bis. Bell 103/113/212A compatible. IBM® Micro Channel™ bus interface. For Tandy 5000 MC.
900-2198 . . . . . 449.00

High-Performance Modems



Telebit T1000 External Modem

9600-bps uncompressed throughput or fallback capability to 2400/1200/300 bps. Error-free, with PEP and MNP 4 error correction. Internal support for UNIX UUCP, Kermit, Xmodem and Ymodem protocols. 900-2283 . . . . . 795.00

Telebit TrailBlazer Plus

Error-free data link at speeds of up to 19,200 bps with PEP 2 data compression. Ideal for use with XENIX and 3Com's 3+ network-to-network communications software.
900-2172 . . . . . 1345.00

Microcom AX/9624c High-Performance Modem

MNP levels 5 and 6 compression and error correction provide up to 19,200 bps, ideal for 3Com applications. Includes support for V.29 FT, V.22 bis, V.22, Bell 212A and 103. Not recommended for XENIX applications.
900-2183 . . . . . 999.00

AT&T Paradyne DL424 External Modem

Full V.32 compatibility with Microcom Networking Protocol (MNP) level 5 error correction up to 19,200 bps. PSTN or 2-wire/4-wire leased lines. Automatic leased-to-dial line restoral.
900-2318 . . . . . 1795.00

Modems are FCC registered. Use only with Bell-compatible equipment. Direct-connect modems are not for multi-line use without optional controller.